

List of All Chemicals

P Hydnocarpus kurzii (Flacourtiaceae)

Common name(s)

True Chaulmoogra

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

| Chemical | Plant Part | Low PPM | High PPM | StdDev | *Reference |
|-------------------------------|--|----------|----------|--------|------------|
| ARACHNIC-ACID | Seed | -- | -- | | * |
| ASH | Seed | -- | 49300.0 | 0.04 | * |
| CHAULMOOGRIC-ACID | Seed | 67500.0 | 112500.0 | -1.0 | * |
| Activities (3) | | | | | |
| Antibacterial MIC=32-64 ug/ml | Martindale's 28th | | | | |
| Antileptic | Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp. | | | | |
| Antisarcoidosis | Merck 11th Edition | | | | |
| DIHYDROCHAULMOOGRIC-ACID | Seed | -- | -- | | * |
| DIHYDROHYDNOCARPIC-ACID | Seed | -- | -- | | * |
| FAT | Seed | 300000.0 | 550000.0 | 1.5 | * |
| GORLIC-ACID | Seed | 67800.0 | 113000.0 | 1.0 | * |
| HCN | Seed | -- | 400.0 | -0.39 | * |
| Activities (9) | | | | | |
| Antiasthmatic | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. | | | | |
| Antidote Ihl (=Amyl Nitrite) | Martindale's 29th | | | | |
| Antitussive | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. | | | | |
| Bronchosedative | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. | | | | |
| Insecticide | Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990. | | | | |
| Pesticide | | | | | |
| Respirastimulant | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. | | | | |
| Rodenticide | Martindale's 29th | | | | |
| Vasomotor-Stimulant | | | | | |
| HYDNOCARPIC-ACID | Seed | 104700.0 | 174500.0 | -1.0 | * |
| Activities (3) | | | | | |
| Antibacterial | Merck 11th Edition | | | | |
| Antileptic | | | | | |
| Pesticide | | | | | |
| ISOGALEIC-ACID | Seed | -- | -- | | * |
| OLEIC-ACID | Seed | 43800.0 | 73000.0 | -0.38 | * |
| Activities (18) | | | | | |
| 5-Alpha-Reductase-Inhibitor | | | | | |
| Allergenic | | | | | |
| Alpha-Reductase-Inhibitor | | | | | |
| Anemiagenic | | | | | |
| Antialopeic | | | | | |
| Antiandrogenic | | | | | |
| Antiinflammatory IC50=21 uM | | | | | |
| Antileukotriene-D4 IC50=21 uM | | | | | |
| Cancer-Preventive | Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp. | | | | |

| | |
|---------------------|---|
| Dermatitigenic | |
| FLavor FEMA 1-30 | Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry |
| Hypocholesterolemic | Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.) |
| Insectifuge | Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990. |
| Irritant | Merck 11th Edition |
| Percutaneostimulant | Seki, T., Toeda, C., Kawaguchi, T., Juni, K., Sugibayashi, K., and Morimoto, Y. 1990. Enhanced Transdermal Delivery of Zidovudine in Rats and Human Skin. Chem. Pharm. Bull. 38(11): 3086-3089, 1990. |
| Perfumery | Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry |
| Propepic | |

PALMITIC-ACID Seed 12000.0 20000.0 -0.29 *

Activities (13)

| | |
|-----------------------------|--|
| 5-Alpha-Reductase-Inhibitor | |
| Antialopecic | |
| Antiandrogenic | |
| Antifibrinolytic | Economic & Medicinal Plant Research, 1: 53. |
| Antioxidant IC40=60 | |
| FLavor FEMA 1 | Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry |
| Hemolytic | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |
| Hypercholesterolemic | Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.) |
| Lubricant | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| Nematicide | Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp. |
| Pesticide | |
| Propepic | |
| Soap | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |

PROTEIN Seed 240000.0 242000.0 0.07 *

TANNIN Seed -- -- *

Activities (35)

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|-------------------------------------|---|
| Anthelmintic | |
| AntiHIV | |
| Antibacterial | |
| Anticancer | |
| Anticariogenic | |
| Antidiarrheic | |
| Antidysenteric | |
| Antihepatotoxic | |
| Antihypertensive | |
| Antilipolytic | |
| Antimutagenic | |
| Antinephritic | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Antiophidic | Economic & Medicinal Plant Research, 5: 363. |
| Antioxidant IC50=1.44 ug/ml | |
| Antioxidant 1/3 quercetin | |
| Antiradicular 500 mg/kg/day orl mus | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Antiradicular 1/3 quercetin | |
| Antirenitic | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Antitumor | |
| Antitumor-Promoter | |
| Antiulcer | |
| Antiviral | |
| Cancer-Preventive | HerbalGram No. 22 - Spring 1990, page 14. |
| Carcinogenic | |
| Chelator | |
| Cyclooxygenase-Inhibitor | |
| Glucosyl-Transferase-Inhibitor | |
| Hepatoprotective | |
| Immunosuppressant | |

Inhibitor

MAO-Inhibitor

Ornithine-
Decarboxylase-
Inhibitor

Pesticide

Psychotropic

Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.

Xanthine-Oxidase-
Inhibitor

TARAKTOGENIC-ACID

Seed

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